

Title (en)
RAIL AND METHOD FOR MANUFACTURING SAME

Title (de)
SCHIENE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
RAIL ET PROCÉDÉ POUR LE FABRIQUER

Publication
EP 3124636 A1 20170201 (EN)

Application
EP 15768893 A 20150324

Priority
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• JP 2015001659 W 20150324

Abstract (en)
Provided is a rail that exhibits excellent wear resistance and reduced hardness variation in a rail length direction. The rail has a chemical composition containing 0.60% to 1.0% of C, 0.1% to 1.5% of Si, 0.01% to 1.5% of Mn, 0.035% or less of P, 0.030% or less of S, and 0.1% to 2.0% of Cr, the balance being Fe and incidental impurities. Surface hardness of the rail exhibits variation of \pm HB 15 points or less in the rail length direction.

IPC 8 full level
C21D 8/00 (2006.01); **C21D 9/04** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/18** (2006.01); **C22C 38/24** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01); **C22C 38/34** (2006.01); **C22C 38/38** (2006.01); **C22C 38/42** (2006.01); **C22C 38/46** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01)

CPC (source: EP US)
C21D 6/002 (2013.01 - EP US); **C21D 6/005** (2013.01 - EP US); **C21D 6/008** (2013.01 - EP US); **C21D 8/005** (2013.01 - EP US); **C21D 9/04** (2013.01 - EP US); **C22C 38/00** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/18** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/24** (2013.01 - EP US); **C22C 38/26** (2013.01 - EP US); **C22C 38/28** (2013.01 - EP US); **C22C 38/34** (2013.01 - EP US); **C22C 38/38** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US)

Cited by
SE543919C2; CN111405949A; EP3778966A4; AU2019242158B2; US11530471B2; WO2022106864A1; EP3124636B1

Designated contracting state (EPC)
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BA ME

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